

DERWENT-ACC-NO:

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198938

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TITLE:

Opto-electric display matrix for
liquid crystal cell -
has row and column segments joined by
sloping feed lines

----- KWIC -----

Basic Abstract Text - ABTX (1):

The opto-electronic display matrix has columns and rows driven by multiplexing. Column or row segments (1,2) have feed lines (3,4) connecting them electrically in regions between the rows (a-d) inclined to the axis (5) of the rows and parallel to one another in the same plane. The angle of the feed lines to the rows is 30-60 degrees and 120-150 degrees, and pref. 45 and 135 degrees, alternating from one pair of rows to the next.

Basic Abstract Text - ABTX (2):

The row and/or column segments are bevelled at their corners. The level is roughly parallel to the feed lines that pass by that region. Row and column feed lines alternate between the rows. The edges of one segment lie in line with those of adjacent segments.

Title - TIX (1):

Opto-electric display matrix for liquid crystal cell -
has row and column
segments joined by sloping feed lines

Priority Serial Number - PRN (1):

3806843

Patent Family Serial Number - PFPN (1):

3806843

Patent Family Serial Number - PFPN (2):

4955698

Document Identifier - DID (1):

DE 3806843 A

Document Identifier - DID (2):

US 4955698 A

Equivalent Abstract Text - ABEQ (2):

The rows of the display segments comprises pairs of rows of the display segments. The conductors include first conductors arranged parallel to each other. The conductors connect the display segments of adjacent pairs of rows and are arranged at an angle of between 30 and 60 deg. and 150 and 120 deg. respectively, to the longitudinal axis of the rows.

Standard Title Terms - TTX (1):

OPTO ELECTRIC DISPLAY MATRIX LIQUID CRYSTAL CELL ROW
COLUMN SEGMENT JOIN
SLOPE FEED LINE

| | Type | L # | Hits | Search Text | DBs | Time Stamp | Comments | Error Definition | Error |
|----|------|-----|------|---|---|----------------------|----------|------------------|-------|
| 1 | BRS | L8 | 10 | "4114890" | USP AT; US-P GPU B; EPO; JPO; DER WEN T; | 2003/07/1 1 11:04 | | | 0 |
| 2 | BRS | L15 | 9 | "4244635" | USP AT; US-P GPU B; EPO; JPO; DER WEN T; | 2003/07/1 1 11:04 | | | 0 |
| 3 | BRS | L22 | 25 | "3732982" | USP AT; US-P GPU B; EPO; JPO; DER WEN T; | 2003/07/1 1 11:04 | | | 0 |
| 4 | BRS | L29 | 7 | "3806843" | USP AT; US-P GPU B; EPO; JPO; DER WEN T; | 2003/07/1 1 11:04 | | | 0 |
| 5 | BRS | L36 | 48 | 8 or 15 or 22 or 29 | USP AT; US-P GPU B; EPO; JPO; DER WEN T; | 2003/07/1 1 11:05 | | | 0 |
| 6 | BRS | L43 | 37 | 36 and (liquid or crystalline or electrode or pixels or round or contours) | USP AT; US-P GPU B; EPO; JPO; DER WEN T; | 2003/07/1 1 11:33 | | | 0 |
| 7 | BRS | L57 | 18 | 50 and (opposite or relative or "90" or degrees or diametrically or angle or direction or "180" or perpendicular or outside or overlap or polygon or corners) | USP AT; US-P GPU B; EPO; JPO; DER WEN T; | 2003/07/1 1 11:34 | | | 0 |
| 8 | BRS | L50 | 20 | 43 and (roughly or rouged or circular or rounded or outer or contour or bulging or bulge or section) | USP AT; US-P GPU B; EPO; JPO; DER WEN T; | 2003/07/1 1 11:36 | | | 0 |
| 9 | BRS | L64 | 157 | "3521941" | USP AT; US-P GPU B; EPO; JPO; DER WEN T; | 2003/07/1 1 11:32 | | | 0 |
| 10 | BRS | L71 | 5 | "5935430" | USP AT; US-P GPU B; EPO; JPO; DER WEN T; | 2003/07/1 1 11:32 | | | 0 |

| | Type | L # | Hits | Search Text | DBs | Time Stamp | Comments | Error Definition | Error |
|----|------|------|------|---|---|--------------------|----------|------------------|-------|
| 11 | BRS | L78 | 162 | 64 or 71 | USP AT; US-P GPU B; EPO; JPO; DER WEN T; | 2003/07/1 11:32 | | | 0 |
| 12 | BRS | L85 | 157 | 78 and (liquid or crystalline or electrode or pixels or round or contours) | USP AT; US-P GPU B; EPO; JPO; DER WEN T; | 2003/07/1 11:34 | | | 0 |
| 13 | BRS | L92 | 139 | 85 and (opposite or relative or "90" or degrees or diametrically or angle or direction or "180" or perpendicular or outside or overlap or polygon or corners) | USP AT; US-P GPU B; EPO; JPO; DER WEN T; | 2003/07/1 11:35 | | | 0 |
| 14 | BRS | L106 | 83 | 99 not 50 | USP AT; US-P GPU B; EPO; JPO; DER WEN T; | 2003/07/1 11:38 | | | 0 |
| 15 | BRS | L99 | 84 | 92 and (roughly or rouged or circular or rounded or outer or contour or bulging or bulge or section) | USP AT; US-P GPU B; EPO; JPO; DER WEN T; | 2003/07/1 11:38 | | | 0 |

| | Type | L # | Hits | Search Text | DBs | Time Stamp | Comments | Error Definition | Error |
|----|------|-----|------|--|---|----------------------|----------|------------------|-------|
| 1 | BRS | L1 | 25 | "3732982" | USP AT; US-P GPU B; EPO; JPO; DER WEN T; | 2003/07/1 1 11:49 | | | 0 |
| 2 | BRS | L8 | 3 | "2621157" | USP AT; US-P GPU B; EPO; JPO; DER WEN T; | 2003/07/1 1 11:49 | | | 0 |
| 3 | BRS | L15 | 9 | "1228160" | USP AT; US-P GPU B; EPO; JPO; DER WEN T; | 2003/07/1 1 11:49 | | | 0 |
| 4 | BRS | L22 | 7 | "3806843" | USP AT; US-P GPU B; EPO; JPO; DER WEN T; | 2003/07/1 1 11:49 | | | 0 |
| 5 | BRS | L29 | 16 | "2007021" | USP AT; US-P GPU B; EPO; JPO; DER WEN T; | 2003/07/1 1 11:49 | | | 0 |
| 6 | BRS | L36 | 5 | "4955698" | USP AT; US-P GPU B; EPO; JPO; DER WEN T; | 2003/07/1 1 11:49 | | | 0 |
| 7 | BRS | L43 | 61 | 1 or 8 or 15 or 22 or 29 or 36 | USP AT; US-P GPU B; EPO; JPO; DER WEN T; | 2003/07/1 1 11:50 | | | 0 |
| 8 | BRS | L50 | 34 | 43 and (liquid or crystalline or electrode or pixels or round or contours) | USP AT; US-P GPU B; EPO; JPO; DER WEN T; | 2003/07/1 1 11:51 | | | 0 |
| 9 | BRS | L57 | 10 | 50 and (roughly or circular or bulging or string or turned) | USP AT; US-P GPU B; EPO; JPO; DER WEN T; | 2003/07/1 1 11:52 | | | 0 |
| 10 | BRS | L64 | 8 | 57 and ("90" or "180" or degrees) | USP AT; US-P GPU B; EPO; JPO; DER WEN T; | 2003/07/1 1 11:53 | | | 0 |